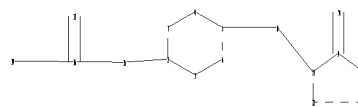
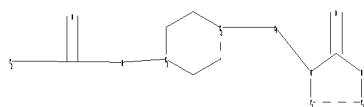


10/589515

=>

Uploading C:\Documents and Settings\EBernhardt\My
Documents\Stnexp\Queries\10589515-A.str



chain nodes :

8 14 15 16 17 19

ring nodes :

1 2 3 4 5 6 9 10 11 12 13

chain bonds :

2-15 5-8 8-13 9-14 15-16 16-17 16-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-13 10-11 11-12 12-13

exact/norm bonds :

1-2 1-6 2-3 2-15 3-4 4-5 5-6 5-8 8-13 9-10 9-13 9-14 10-11 11-12
12-13 15-16 16-17 16-19

G1:C,N

G2:O,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:Atom 9:Atom 10:Atom 11:Atom

12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 19:CLASS

Generic attributes :

8:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Type of Ring System : Monocyclic

10/589515

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 13:21:17 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1040 TO ITERATE

100.0% PROCESSED 1040 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 18866 TO 22734

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 13:21:26 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 20152 TO ITERATE

100.0% PROCESSED 20152 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

L3 2 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

178.82

179.03

FILE 'CAPLUS' ENTERED AT 13:21:33 ON 29 APR 2008

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FILE COVERS 1907 - 29 Apr 2008 VOL 148 ISS 18

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=> s l3

L4 1 L3

10/589515

=> d 14

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:383818 CAPLUS
DN 144:432808
TI Preparation of spiropiperidine compounds as β -secretase inhibitors
for the treatment of Alzheimer's disease
IN Barrow, James C.; Coburn, Craig A.; Egbertson, Melissa S.; McGaughey,
Georgia B.; McWherter, Melody A.; Neilson, Lou Anne; Selnick, Harold G.;
Stauffer, Shaun R.; Yang, Zhi-Qiang; Yang, Wenjin; Lu, Wanli; Fahr, Bruce;
Rittle, Kenneth E.
PA Merck & Co., Inc., USA; Sunesis Pharmaceuticals, Inc.
SO PCT Int. Appl., 182 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

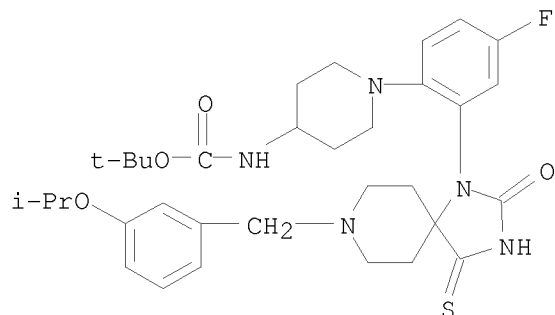
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006044497	A2	20060427	WO 2005-US36752	20051012
	WO 2006044497	A3	20060908		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	AU 2005295814	A1	20060427	AU 2005-295814	20051012
	CA 2583342	A1	20060427	CA 2005-2583342	20051012
	EP 1804794	A2	20070711	EP 2005-812233	20051012
	R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
	CN 101068545	A	20071107	CN 2005-80034396	20051012
	US 20070197571	A1	20070823	US 2007-663388	20070321
	IN 2007CN01217	A	20070831	IN 2007-CN1217	20070323
PRAI	US 2004-618420P	P	20041013		
	WO 2005-US36752	W	20051012		
OS	MARPAT 144:432808				

=> d 14 hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
IT 885115-63-9P 885115-64-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of spiropiperidine compds. as β -secretase inhibitors for treating Alzheimer's disease)
RN 885115-63-9 CAPLUS
CN Carbamic acid, [1-[4-fluoro-2-[8-[3-(1-methylethoxy)phenyl]methyl]-2-oxo-

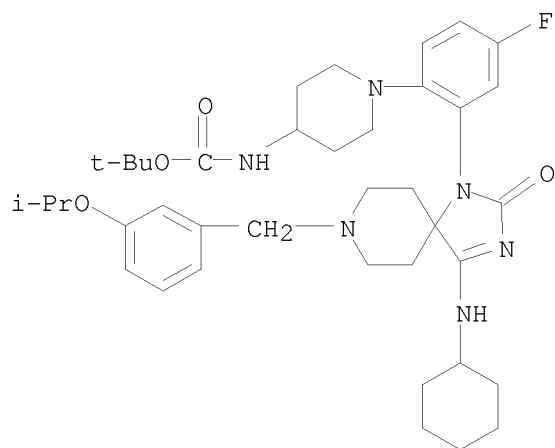
10/589515

4-thioxo-1,3,8-triazaspiro[4.5]dec-1-yl]phenyl]-4-piperidinyl]-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 885115-64-0 CAPLUS

CN Carbamic acid, [1-[2-[4-(cyclohexylamino)-8-[[3-(1-methylethoxy)phenyl]methyl]-2-oxo-1,3,8-triazaspiro[4.5]dec-3-en-1-yl]-4-fluorophenyl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

7.11

186.14

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STRUCTURE FILE UPDATES: 28 APR 2008 HIGHEST RN 1017984-01-8
DICTIONARY FILE UPDATES: 28 APR 2008 HIGHEST RN 1017984-01-8

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

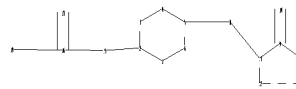
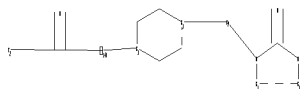
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

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Documents\Stnexp\Queries\10589515-B.str



chain nodes :

8 14 15 16 17 19

ring nodes :

1 2 3 4 5 6 9 10 11 12 13

chain bonds :

2-15 5-8 8-13 9-14 15-16 16-17 16-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-13 10-11 11-12 12-13

exact/norm bonds :

1-2 1-6 2-3 2-15 3-4 4-5 5-6 5-8 8-13 9-10 9-13 9-14 10-11 11-12
12-13 15-16 16-17 16-19

10/589515

G1:C,N

G2:O,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 19:CLASS

Generic attributes :

8:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Type of Ring System : Monocyclic

L5 STRUCTURE UPLOADED

=> s 15

SAMPLE SEARCH INITIATED 13:26:24 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 18465 TO ITERATE

10.8% PROCESSED 2000 ITERATIONS 3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 361163 TO 377437

PROJECTED ANSWERS: 238 TO 868

L6 3 SEA SSS SAM L5

=> s 15 sss full

FULL SEARCH INITIATED 13:26:31 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 367795 TO ITERATE

100.0% PROCESSED 367795 ITERATIONS 414 ANSWERS
SEARCH TIME: 00.00.04

L7 414 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.36	364.50

FILE 'CAPLUS' ENTERED AT 13:26:46 ON 29 APR 2008

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FILE COVERS 1907 - 29 Apr 2008 VOL 148 ISS 18
FILE LAST UPDATED: 28 Apr 2008 (20080428/ED)

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=> s 17

L8 1 L7

=> d 18 bib abs fhitr

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:1004731 CAPLUS
DN 143:306337
TI Preparation of Mtp inhibiting aryl piperidines or piperazines substituted with 5-membered heterocycles
IN Meerpoel, Lieven; Backx, Leo Jacobus Jozef; Jaroskova, Libuse; Roevens, Peter Walter Maria; Van, Der Veken Louis Jozef Elisabeth; Viellevoe, Marcel; Linders, Joannes Theodorus Maria
PA Janssen Pharmaceutica N.V., Belg.; Meerpoel, Lieven; Backx, Leo Jacobus Jozef; Jaroskova, Libuse; Roevens, Peter Walter Maria; Van der Veken, Louis Jozef Elisabeth; Viellevoe, Marcel; Linders, Joannes Theodorus Maria
SO PCT Int. Appl., 120 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005085226	A1	20050915	WO 2005-EP51010	20050307
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2005219580	A1	20050915	AU 2005-219580	20050307
	CA 2558506	A1	20050915	CA 2005-2558506	20050307
	EP 1751131	A1	20070214	EP 2005-716940	20050307
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,				

	HR, LV, MK, YU				
CN	1930143	A	20070314	CN	2005-80007466
BR	2005008514	A	20070814	BR	2005-8514
JP	2007527897	T	20071004	JP	2007-502335
KR	2007014121	A	20070131	KR	2006-716095
US	20070191383	A1	20070816	US	2006-589515
MX	2006PA10253	A	20070216	MX	2006-PA10253
IN	2006DN05167	A	20070803	IN	2006-DN5167
NO	2006004601	A	20061010	NO	2006-4601
PRAI	EP 2004-75771	A	20040310		
	US 2004-556336P	P	20040325		
	WO 2005-EP51010	W	20050307		
OS	MARPAT 143:306337				
GI					

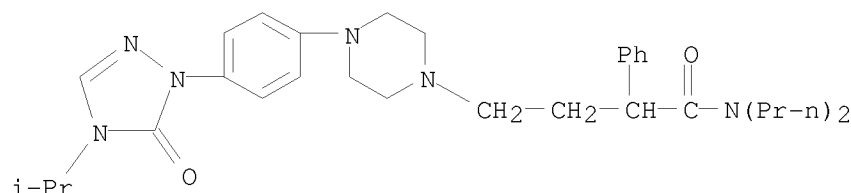
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [Z = (un)substituted -N=CH=, -CH=N-, -CH₂CH₂-, or -CH=CH-; X1 = C or N; at least one of X2 or X3 = N and the other equals CH or C when the dotted line represents a bond; or both X2 and X3 = N; R1 = (un)substituted alkyl, aryl, cycloalkyl, etc.; R2 = H, halo, alkyl; A = divalent carbon bridge or when X3 = CH, A may = NH which may be optionally substituted; B = (un)substituted amine, heterocycle, alkoxy, etc.], and their pharmaceutically acceptable salts, are prepared and disclosed as having apoβ secretion/MTP inhibiting activity and concomitant lipid lowering activity. Thus, e.g., II was prepared by reaction of III (preparation given) with Et α-phenylacrylate. Selected compds. of the invention possessed pIC₅₀ values of 5.5-6.5 in assays studying inhibition of apoβ secretion. The invention further relates to methods for preparing pharmaceutical compns. comprising said compds. as well as the use of said compds. as a medicine for the treatment of hyperlipidemia, obesity and type II diabetes (Formula (I)).

IT 864928-10-9P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; Preparation of Mtp inhibiting aryl piperidines or piperazines substituted with 5-membered heterocycles)

RN 864928-10-9 CAPLUS

CN 1-Piperazinebutanamide, 4-[4-[4,5-dihydro-4-(1-methylethyl)-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]-α-phenyl-N,N-dipropyl- (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/589515

=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.93	370.43
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.80	-0.80

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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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=> d his

(FILE 'HOME' ENTERED AT 13:20:04 ON 29 APR 2008)

FILE 'REGISTRY' ENTERED AT 13:20:26 ON 29 APR 2008

L1 STRUCTURE UPLOADED
L2 0 S L1
L3 2 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:21:33 ON 29 APR 2008

L4 1 S L3

FILE 'REGISTRY' ENTERED AT 13:25:58 ON 29 APR 2008

L5 STRUCTURE UPLOADED
L6 3 S L5
L7 414 S L5 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:26:46 ON 29 APR 2008

L8 1 S L7

FILE 'CAOLD' ENTERED AT 13:27:15 ON 29 APR 2008

=> s 13

L9 0 L3

10/589515

=> s 17
L10 0 L7

=> file chemcats		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.46	370.89
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

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FILE LAST UPDATED 26 APRIL 2008 (20080426/UP)

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=> s 13 or 17
 0 L3
 0 L7
L11 0 L3 OR L7

=> log h		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.94	371.83
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:27:52 ON 29 APR 2008